

# HP TIJ 2.5 Portfolio: Solvent 2580 Substrate coverage

Recommended Substrates: Coated foils with NC or Acrylic

## Blister Foil



## Coated Foils



## Try on: Aqueous coated, PET, Polyester, and LDPE



# HP 2590 solvent print cartridge One-page Overview

Increase your productivity and reduce costs with a GMP-compliant, fast-dry HP solvent ink ideal for films used in primary food, pharma and industrial packaging applications.



Target applications: Coding and Marking on packaging films



## Fast drying ink

Provide high-productivity, fast-dry performance on films, ideal for high-speed or roll-to-roll applications

## Outstanding durability on untreated and treated BOPP film

High durability for handling and packaging on films and other non porous substrates

## Good Manufacturing Practice (GMP) certified

Complies with new, rigorous regulations in the most demanding markets, including food, pharmaceutical, and industrial

## Proven quality and reliability

Specialty printing system division has shipped over 50 million HP cartridges and we provide our OEMs with assured supply, HP quality and reliability

# HP TIJ 2.5 Portfolio: Solvent 2590 Market positioning

- New solvent ink from HP is targeting untreated BOPP films in applications where durability of handling and fast dry time are required.
  - *GMP certification in process. Once certification is complete, intent is to use this ink on food packaging*
- HP 2590 ink delivers **exceptional durability on untreated BOPP** and good durability on treated BOPP, PE, PET, UV, Aluminum foil and PVC
- **Dry time 3-5 seconds** is much faster than HP 2580 and very competitive with other TIJ 2.5 solvent inks
- OD parity with other TIJ 2.5 solvent inks



# HP TIJ 2.5 Portfolio: Solvent 2590 Key ink specs

HP 2590 is a fast dry ink with a wide range of substrate coverage focusing on untreated BOPP.

Attribute	Values
Optical Density	~ 0.8 at 300x300 DPI on untreated BOPP
Dry Time	3-5 seconds. OEM feedback ~2 seconds
Decap	60 mins +
Durability	Excellent on untreated BOPP. Very good on BOPP, PE (treated), PET,UV, PVC, aluminum foil
Light Fastness	8-yr sunlight & office light: 4% fade 4-yr ozone: 10% fade

- *Durability measured by rubbing 24 times with squalene*
- *OD measure with standard methods*
- *Dry time measured by single smear with an eraser*

# HP TIJ 2.5 Portfolio: Solvent 2590 Key specs comparison

## Market information

Most of the films (BOPP, PE, PET) are untreated. 80% untreated and 20% treated market split  
 Most commonly used films are BOPP, PE across applications (confectionary, snacks, frozen)

## Value proposition

### 1. Fast dry time solvent ink for untreated films

#### Dry Time (sec)

	Treated BOPP	Untreated BOPP	Treated LDPE	Untreated LDPE	PET	UV coated	Raviraj Foil
HP 2590	<3	<3	<3	5-7	<3	<5	<3
HP 2580B	7-10	>50	7-10	30-40	7-10	20-30	3-5
HP 2580A	5-7	>50	5-7	30-40	5-7	20-30	5-7

#### Durability (sec)

	Treated BOPP	Untreated BOPP	Treated LDPE	Untreated LDPE	PET	UV coated	Raviraj Foil
HP 2590	YES	YES	YES	NO	YES	YES	YES
HP 2580B	YES rubes off 40%	NO	YES	NO	YES	YES	YES
HP 2580A	YES rubes off 40%	NO	YES	NO	YES	YES	YES



# HP TIJ 2.5 Portfolio: Solvent HP 2580 vs HP 2590 comparison

HP 2590 ink will outperform HP 2580 across substrates with much faster dry time and durability

	HP 2580	HP 2590
1. GMP FPS (EuPIA)	YES	March 31 <sup>st</sup> 2019
2. Adhesion/media	Target: aluminum foil in pharma applications Other: treated LDPE, PET, UV	Target: < 30% fade on untreated BOPP in food applications Other: treated LDPE, PET
3. Substrates that inks can't address	Untreated BOPP, LDPE	Untreated LDPE
3. Dry Time	5-7 seconds on aluminum foil. Other media longer 5-10 secs Untreated BOPP- >50 secs	<3 seconds un untreated BOPP (OEM testing ~2 seconds) ~5 seconds on other media untreated LDPE, UV, PVC
4. Long Term Decap w/o wipe	60 mins	60 mins to hours. Environment dependent
5. Optical density on untreated BOPP 300x300 DPI	0.21	0.8
6. Print quality	No readable bar codes on untreated BOPP	B grade for 1D and 2D codes at 1mm throw
7. Warranty (shelf life)	9 months	9 months at release
8. Operating conditions/RH	15-35°C, 35-80% RH	15-35°C, 35-80% RH
9. Delivered Ink volume	H:31ml V:34 ml	H:33ml V:34 ml



# HP TIJ 2.5 Portfolio: Solvent Shipping clearance by country

HP Solvent ink is approved to ship into countries in green

